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Substitute for form 1449A/PTO			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			
<i>Complete if Known</i>			
<b>Application Number</b>		10/622,088	
<b>Filing Date</b>		Jul 18, 2003	
<b>First Named Inventor</b>		Robert BENNETT	
<b>Art Unit</b>		1648	
<b>Examiner Name</b>		Horning, Michelle S.	
Sheet	1	of	35
Attorney Docket No: IVGN 332			

**US PATENT DOCUMENTS**

Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A1	09/177,387	Oct 23, 1998	Hartley, James L.		
A2	09/233,492	Dec 16, 2004	Hartley et al.		
A3	09/296,280	Aug 21, 2001	Hartley et al.		
A4	09/432,085	Nov 2, 1999	Hartley, James		
A5	09/438,358	Nov 12, 1999	Gerard et al.		
A6	09/498,074	Apr 13, 2004	Hartley et al.		
A7	09/518,188	Mar 2, 2000	Hartley, James		
A8	09/648,790	Aug 28, 2000	Hartley, James		
A9	09/695,065	Oct 25, 2000	Brasch, Michael		
A10	09/732,914	Dec 11, 2000	Cheo et al.		
A11	11/290,840	Dec 1, 2005	Gray et al.		
A12	200/20094574	Jul 18, 2002	Hartley et al.		
A13	2002/0162126	Oct 31, 2002	Beach et al.		
A14	2003/0054555	Mar 20, 2003	Farmer et al.		
A15	2003/0059764	Mar 27, 2003	Ravkin et al.		
A16	2003/0059900	Mar 27, 2003	Farmer, A. A.		
A17	2003/0064515	Apr 3, 2003	Hartley et al.		
A18	2003/0068799	Apr 10, 2003	Hartley et al.		
A19	2003/0077804	Apr 24, 2003	Byrd et al.		
A20	2003/0100110	May 29, 2003	Hartley et al.		
A21	2003/0102346	Jun 5, 2003	Chen, Mei-Lien		
A22	2003/0124555	Jul 3, 2003	Brasch et al.		
A23	2003/157662	Aug 21, 2003	Gerard et al.		
A24	2004/0040053	Feb 26, 2004	Nomura et al.		
A25	2004/0053412	Mar 18, 2004	Hartley et al.		
A26	2004/0132133	Jul 8, 2004	Bennett, R. P.		
A27	2004/0171157	Sep 2, 2004	Hartley et al.		
A28	2005/0009091	Jan 13, 2005	Hartley et al.		
A29	2005/0045941	Mar 3, 2005	Kurita et al.		
A30	2005/0069929	Mar 31, 2005	Chesnut et al.		
A31	2005/0095615	May 5, 2005	Welch et al.		
A32	2005/0104027	May 19, 2005	Lazarev, P. I.		
A33	2005/0156137	Jul 21, 2005	Overkempe et al.		
A34	2005/0176065	Aug 11, 2005	Hanson, G. T.		

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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A35	2005/0208530	Sep 22, 2005	Chesnut et al.		
A36	2006/0008817	Jan 12, 2006	Carrino et al.		
A37	2006/0035269	Feb 16, 2006	Hartley et al.		
A38	2006/0035272	Feb 16, 2006	Brasch et al.		
A39	2006/0073593	Apr 6, 2006	Byrd et al.		
A40	2006/0160072	Jul 20, 2006	Shuman, S.		
A41	2006/0204979	Sep 14, 2006	Gray et al.		
A42	2009/0186387	Jul 23, 2009	Hartley et al.		
A43	4,555,166	Nov 26, 1985	Enomoto, Masao		
A44	462,505	Nov 3, 1891	Parker et al.		
A45	4,661,450	Apr 28, 1997	Kempe et al.		
A46	4,745,051	May 17, 1988	Smith et al.		
A47	4,795,699	Jan 3, 1989	Tabor et al.		
A48	4,797,368	Jan 10, 1989	Carter et al.		
A49	4,800,159	Jan 24, 1989	Mullis et al.		
A50	4,873,191	Oct 10, 1989	Wagner et al.		
A51	4,889,818	Dec 26, 1989	Gelfand et al.		
A52	4,962,020	Oct 9, 1990	Tabor et al.		
A53	4,987,071	Jan 22, 1991	Cech et al.		
A54	5,047,342	Sep 10, 1991	Chatterjee, Deb K.		
A55	5,079,352	Jan 7, 1992	Gelfand et al.		
A56	5,162,209	Nov 10, 1992	Scheele et al.		
A57	5,173,411	Dec 22, 1992	Tabor et al.		
A58	5,244,797	Sep 14, 1993	Kotewicz et al.		
A59	5,258,294	Nov 2, 1993	Boyle et al.		
A60	5,270,170	Dec 14, 1993	Schatz et al.		
A61	5,270,179	Dec 14, 1993	Chatterjee, Deb K.		
A62	5,283,173	Feb 1, 1994	Fields et al.		
A63	5,345,668	Sep 13, 1994	Scribner, C. J.		
A64	5,409,818	Apr 25, 1995	Davey et al.		
A65	5,434,049	Jul 18, 1995	Okano et al.		
A66	5,445,934	Aug 29, 1995	Fodor et al.		
A67	5,487,993	Jan 30, 1996	Herrnstadt, C.		
A68	5,552,314	Sep 3, 1996	Greener, Alan L.		

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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A69	5,583,038	Dec 10, 1996	Stover, C. K.		
A70	5,605,802	Feb 25, 1997	Trono et al.		
A71	5,624,826	Apr 29, 1997	Seishi et al.		
A72	5,654,185	Aug 5, 1997	Palsson et al.		
A73	5,695,971	Dec 9, 1997	Kadokami et al.		
A74	5,731,149	Mar 24, 1998	Selsted et al.		
A75	5,736,388	Apr 7, 1998	Chada. et al.		
A76	5,744,305	Apr 28, 1998	Fodor et al.		
A77	5,746,997	May 5, 1998	Reed, Michael W.		
A78	5,777,079	Jul 7, 1998	Tsien et al.		
A79	5,789,375	Aug 4, 1998	Mukae et al.		
A80	5,804,431	Sep 8, 1998	Palsson, Bernhard		
A81	5,807,522	Sep 15, 1998	Brown et al.		
A82	5,811,274	Sep 22, 1998	Palsson, Bernhard		
A83	5,827,657	Oct 27, 1998	Herrnstadt et al.		
A84	5,846,721	Dec 8, 1998	Soares et al.		
A85	5,910,438	Jun 8, 1999	Bernard et al.		
A86	5,922,535	Jul 13, 1999	Huo, L.		
A87	5,939,301	Aug 17, 1999	Hughes et al.		
A88	5,958,681	Sep 28, 1999	Wetmur et al.		
A89	5,965,408	Oct 12, 1999	Short, Jay M.		
A90	5,981,182	Nov 9, 1999	Jacobs et al.		
A91	5,989,835	Nov 23, 1999	Dunlay et al.		
A92	5,994,136	Nov 30, 1999	Naldini et al.		
A93	6,013,440	Jan 11, 2000	Lipshutz et al.		
A94	6,057,098	May 2, 2000	Buechler et al.		
A95	6,083,712	Jul 4, 2000	Birch et al.		
A96	6,090,590	Jul 18, 2000	Kao, C. C.		
A97	6,110,426	Aug 29, 2000	Shalon et al.		
A98	6,112,421	Sep 5, 2000	Greene, Todd M.		
A99	6,117,635	Sep 12, 2000	Nazarenko et al.		
A100	6,140,086	Oct 31, 2000	Fox et al.		
A101	6,143,530	Nov 7, 2000	Crouzet et al.		
A102	6,171,820	Jan 9, 2001	Short, Jay M.		

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A103	6,174,669	Jan 16, 2001	Hayashizaki et al.		
A104	6,180,407	Jan 30, 2001	Bernard et al.		
A105	6,238,884	May 29, 2001	Short, et al.		
A106	6,248,526	Jun 19, 2001	Weimer, Thomas		
A107	6,258,536	Jul 10, 2001	Oliner et al.		
A108	6,261,776	Jul 17, 2001	Pirrung et al.		
A109	6,265,546	Jul 24, 2001	Cohen et al.		
A110	6,268,169	Jul 31, 2001	Fahnestock, Stephen R.		
A111	6,277,632	Aug 21, 2001	Harney, Peter D.		
A112	6,277,710	Aug 21, 2001	Kim, Hjun Tae		
A113	6,280,977	Aug 28, 2001	Liang et al.		
A114	6,291,183	Sep 18, 2001	Pirrung et al.		
A115	6,291,213	Sep 18, 2001	Rothstein, Rodney		
A116	6,316,608	Nov 13, 2001	Reynolds et al.		
A117	6,322,973	Nov 27, 2001	Bostian et al.		
A118	6,340,595	Jan 22, 2002	Vogels et al.		
A119	6,346,413	Feb 12, 2002	Fodor et al.		
A120	6,352,842	Mar 5, 2002	Short et al.		
A121	6,358,709	Mar 19, 2002	Short et al.		
A122	6,361,974	Mar 26, 2002	Short et al.		
A123	6,395,524	May 28, 2002	Loeb et al.		
A124	6,451,536	Sep 17, 2002	Fodor et al.		
A125	6,455,254	Sep 24, 2002	Short, Jay M.		
A126	6,476,209	Nov 5, 2002	Glenn et al.		
A127	6,479,258	Nov 12, 2002	Short, Jay M.		
A128	6,489,145	Dec 3, 2002	Short, Jay M.		
A129	6,495,318	Dec 17, 2002	Harney, Peter D.		
A130	6,506,559	Jan 14, 2003	Fire et al.		
A131	6,506,560	Jan 14, 2003	Hughes et al.		
A132	6,537,776	Mar 25, 2003	Short, Jay M.		
A133	6,548,277	Apr 15, 2003	Shuman, Stewart		
A134	6,573,099	Jun 3, 2003	Graham, M.		
A135	6,576,424	Jun 10, 2003	Fodor et al.		
A136	6,576,463	Jun 10, 2003	Kasahara et al.		

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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A137	6,576,464	Jun 10, 2003	Gold et al.	
	A138	6,576,752	Jun 10, 2003	Manoharan et al.	
	A139	6,599,697	Jul 29, 2003	Sodoyer et al.	
	A140	6,605,449	Aug 12, 2003	Short, Jay M.	
	A141	6,610,482	Aug 26, 2003	Fodor et al.	
	A142	6,632,600	Oct 14, 2003	Short, Jay M.	
	A143	6,652,878	Nov 25, 2003	Webb et al.	
	A144	6,653,106	Nov 25, 2003	Shuman et al.	
	A145	6,656,082	Dec 2, 2003	Yamada et al.	
	A146	6,670,129	Dec 30, 2003	Webb et al.	
	A147	6,671,958	Jan 6, 2004	Savolainen et al.	
	A148	6,709,841	Mar 23, 2004	Short, Jay M.	
	A149	6,713,279	Mar 30, 2004	Short, Jay M.	
	A150	6,713,282	Mar 30, 2004	Short et al.	
	A151	6,740,506	May 25, 2004	Short et al.	
	A152	6,773,900	Aug 10, 2004	Short et al.	
	A153	6,872,551	Mar 29, 2005	Lima et al.	
	A154	6,884,612	Apr 26, 2005	Maruyama et al.	
	A155	6,902,933	Jun 7, 2005	Uhler, Michael	
	A156	6,916,232	Jul 12, 2005	Mastro et al.	
	A157	6,960,467	Nov 1, 2005	Shieh et al.	
	A158	6,964,861	Nov 15, 2005	Gerard et al.	
	A159	7,026,141	Apr 11, 2006	Shuman, Stewart	
	A160	7,078,501	Jul 18, 2006	Heyman et al.	
	A161	7,125,664	Oct 24, 2006	Minc-Golomb, Dahlia	
	A162	7,175,806	Feb 13, 2007	Deal, Jeffery	
	A163	7,176,029	Feb 13, 2007	Bernard et al.	
	A164	7,179,644	Feb 20, 2007	Farmer, Andrew	
	A165	7,214,515	May 8, 2007	Chiocca et al.	
	A166	7,223,576	May 29, 2007	Hartley et al.	
	A167	7,282,326	Oct 16, 2007	Hartley et al.	
	A168	7,304,130	Dec 4, 2007	Hartley et al.	
	A169	7,351,578	Apr 1, 2008	Cheo et al.	
	A170	7,393,632	Jul 1, 2008	Cheo et al.	

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A171	7,408,049	Aug 5, 2008	Hartley et al.		
A172	H153100	Jul 14, 1874	McNamee, John		
A173	60/108,324	Nov 13, 1998	Gerard, Gary		
A174	60/122,392	Mar 2, 1999	Brash et al.		
A175	60/136,744	May 28, 1999	Brash, Michael		
A176	60/161,403	Oct 25, 1999	Brasch, Michael		
A177	60/169,983	Dec 10, 1999	Brasch, Michael		
A178	60/188,000	Mar 9, 2000	Salta, Robert		
A179	60/284,528	Apr 19, 2001	Byrd, Devon		
A180	60/402,920	Aug 14, 2002	Cheo, David		
A181	60/475,004	Jun 3, 2003	Leong, Louis		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B1	WO-00/12687	Mar 9, 2000	Miles et al.		
B2	WO-00/52027	Sep 8, 2000	Hartley et al.		
B3	WO-00/60091	Oct 12, 2000	Sauer et al.		
B4	WO-01/05961A1	Jan 25, 2001	Farmer, Andrew		
B5	WO-01/07572A2	Feb 1, 2001	Ow et al.		
B6	WO-01/07572A3	Feb 1, 2001	Ow et al.		
B7	WO-01/11058A1	Feb 15, 2001	Borokov et al.		
B8	WO-01/62892A2	Aug 30, 2001	Ji et al.		
B9	EP-0160571A2	Jun 11, 1985	Backman, Keith		
B10	WO-02/05294A1	Jan 17, 2002	Potter, Robert		
B11	WO-02046372	Jun 13, 2002	Chesnut et al.		
B12	EP-0220009A2	Apr 29, 1987	Sauer, Brian		
B13	EP-0300422A2	Jan 25, 1989	Enquist et al.		
B14	EP-0373914	Jun 20, 1990	Sonenberg et al.		
B15	EP-0542466	May 19, 1993	Peakman et al.		

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B16	EV-0542466A2	May 19, 1993	Peakman, Timothy C.		
B17	EP-0625572	Nov 23, 1994	Kato et al.		
B18	EP-0672191	Sep 26, 2001	Royer et al.		
B19	EP-1018549	Jan 4, 1999	Hayashizaki et al.		
B20	EP-1035208A1	Sep 13, 2000	Saito et al.		
B21	JP-10510716	Oct 20, 1998	Shuman, Stewart		
B22	EP-1227147A3	Aug 14, 2002	Hartley et al.		
B23	WO-1990/11375	Oct 4, 1990	Brenner et al.		
B24	WO-1991/016427	Oct 31, 1991	Short et al.		
B25	WO-1991/02801	Mar 7, 1991	Sternberg, Nat L.		
B26	WO-1991/09957	Jul 11, 1991	Odell et al.		
B27	WO-1992/015694	Sep 17, 1992	Wahl et al.		
B28	WO-1992/020791	Nov 26, 1992	Winter et al.		
B29	WO-1992/22650	Dec 23, 1992	Bebee et al.		
B30	WO-1993/013423	Jul 8, 1993	Akong, Michael A.		
B31	WO-1993/015191	Aug 5, 1993	Bebee et al.		
B32	WO-1993/019172	Sep 30, 1993	Johnson et al.		
B33	WO-1994/001927	Jan 20, 1994	Reynolds, David C.		
B34	WO-1994/017176	Aug 4, 1994	Hodges et al.		
B35	WO-1994/018333	Aug 18, 1994	Boyd, Alan C.		
B36	WO-1995/000555	Jan 5, 1995	Stewart, Francis		
B37	WO-1996/004393	Feb 15, 1996	Oliver et al.		
B38	WO-1996/040724	Dec 19, 1996	Hartley et al.		
B39	WO-1996/30498	Oct 3, 1996	Jakobovits et al.		
B40	WO-1996/40724	Dec 19, 1996	Hartley et al.		
B41	WO-1997/006265	Feb 20, 1997	Bridgham et al.		
B42	WO-1997/009436	Mar 13, 1997	Vancov et al.		
B43	WO-1997/024455	Jul 10, 1997	Chenchik et al.		
B44	WO-1997/025446	Jul 17, 1997	Kaleko, Michael		
B45	WO-1997/032481	Sep 12, 1997	Hardy, Stephen F.		
B46	WO-1998/010086	Mar 12, 1998	Wilson et al.		

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B47	WO-1998/038326	Sep 3, 1998	Hodgson et al.		
B48	WO-1998/053056	Nov 26, 1998	Cooke, Howard J.		
B49	WO-1999/010488	Mar 4, 1998	O'Gorman et al.		
B50	WO-1999/021977	May 6, 1999	Hartley et al.		
B51	WO-1999/025851	May 27, 1999	Saito et al.		
B52	WO-1999/032619	Jul 1, 1999	Fire et al.		
B53	WO-1999/055851	Nov 4, 1999	Tuttle et al.		
B54	WO-2000/002900	Jan 20, 2000	Hemmendorff et al.		
B55	WO-2000/042206	Jul 20, 2000	Sela et al.		
B56	WO-2000/049035	Aug 24, 2000	Sheen, Jen		
B57	WO-2000/052027	Sep 8, 2000	Hartley et al.		
B58	WO-2000/056878	Sep 28, 2000	Heyman et al.		
B59	WO-2000/060091	Oct 12, 2000	Sauer et al.		
B60	WO-2000/063397	Oct 26, 2000	Meulewaeter et al.		
B61	WO-2000/066722	Nov 9, 2000	Legrain et al.		
B62	WO-2001/005961	Jan 25, 2001	Farmer, Andrew		
B63	WO-2001/011058	Feb 15, 2001	Borokov et al.		
B64	WO-2001/020015	Mar 22, 2001	Sabatini, David M.		
B65	WO-2001/025466	Apr 12, 2001	Slingsby et al.		
B66	WO-2001/031039	May 3, 2001	Brasch et al.		
B67	WO-2001/042509	Jun 14, 2001	Cheo et al.		
B68	WO-2001/057242	Aug 9, 2001	Stack et al.		
B69	WO-2001/062943	Aug 30, 2001	Heyman et al.		
B70	WO-2001/068836	Sep 20, 2001	Beach et al.		
B71	WO-2001/086001	Nov 15, 2001	Cook et al.		
B72	WO-2002/000875	Jan 3, 2002	Clark, Robin		
B73	WO-2002/016594	Feb 28, 2002	Chesnut et al.		
B74	WO-2002/042447	May 30, 2002	Uhler, Michael D.		
B75	WO-2002/061034	Aug 8, 2002	Carrino et al.		
B76	WO-2002/077264	Oct 3, 2002	Sabatini, David M.		
B77	WO-2002/086114	Oct 31, 2002	Sugio et al.		

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<b>Art Unit</b>	1648		
<b>Examiner Name</b>	Horning, Michelle S.		
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B78	WO-2003/025161	Mar 27, 2003	Farmer et al.		
B79	WO-2003/089600	Oct 30, 2003	Uhler, Michael D.		
B80	CA-2141412	Feb 17, 1994	Bernard et al.		
B81	CA-2226463	Dec 19, 2006	Brasch et al.		
B82	WO-90/11375	Oct 4, 1990	Brenner, Sydney		
B83	WO-91/02801	Mar 7, 1991	Sternberg, Nat		
B84	WO-91/09957	Apr 11, 1991	Odell et al.		
B85	WO-91/16427	Oct 31, 1991	Short et al.		
B86	WO-92/15694	Sep 17, 1992	Campbell et al.		
B87	WO-92/20791	Nov 26, 1992	Winter et al.		
B88	WO-92/22650	Dec 23, 1992	Bebee et al.		
B89	WO-93/15191	Aug 5, 1993	Bebee et al.		
B90	WO-93/19172	Sep 30, 1993	Johnson et al.		
B91	WO-94/03624	Feb 17, 1994	Auerbach, Jeffrey		
B92	WO-94/09127	Apr 28, 1994	Adhya et al.		
B93	WO-94/17176	Aug 4, 1994	Hodges et al.		
B94	WO-94/18333	Aug 18, 1994	Boyd et al.		
B95	WO-95/00555	Jan 5, 1995	Stewart, Francis		
B96	WO-96/04393	Feb 15, 1996	Oliver et al.		
B97	WO-96/40722	Dec 19, 1996	Mascarenhas et al.		
B98	WO-96/40724	Dec 19, 1996	Hartley et al.		
B99	WO-97/06265	Feb 20, 1997	Brifgham et al.		
B100	WO-97/09436	Mar 13, 1997	Vancov et al.		
B101	WO-97/25446	Jul 17, 1997	Kaleko, Michael		
B102	WO-97/32481	Sep 12, 1997	Hardy, Stephen		
B103	WO-98/53056	Nov 26, 1998	Huber, Bernard		
B104	WO-99/10488	Mar 4, 1999	O'Gorman et al.		
B105	WO-99/21977	May 6, 1999	Hartley et al.		
B106	WO-99/25851	May 27, 1999	Saito et al.		
B107	WO-99/55851	Nov 4, 1999	Tuttle et al.		

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	C1	"International Search Report for International Application No. PCT/US98/22589, mailed February 5, 1999", 3	
	C2	00818077.6, "Office Action mailed 02/06/09"	
	C3	00818077.6, "Response to 02/06/09 Office Action mailed", filed on 05/20/09	
	C4	00914799.2, "European Search Report mailed on 03/26/2004", 1	
	C5	02001134.2, "European Search Report mailed 06/10/02"	
	C6	02001135.9, "European Search Report mailed 06/11/02"	
	C7	02001135.9, "European Search Report mailed 09/16/2002"	
	C8	03765705.3, "European Search Report mailed on 01/17/2008", 1-6	
	C9	08153538.7, "Office action mailed on 9/7/09", 1	
	C10	09/177,387, "Office Action mailed 01/25/01"	
	C11	09/177,387, "Office Action mailed 03/15/99"	
	C12	09/177,387, "Office Action mailed 05/22/2000"	
	C13	09/177,387, "Office Action mailed 06/24/99"	
	C14	09/177,387, "Office Action mailed 07/26/04"	
	C15	09/177,387, "Office Action mailed 10/11/01"	
	C16	09/177,387, "Response to 01/25/01 Office Action, Filed on 07/25/01"	
	C17	09/177,387, "Response to 03/15/99 Office Action, Filed 04/15/99"	
	C18	09/177,387, "Response to 05/22/00 Office Action, Filed on 08/22/00"	
	C19	09/177,387, "Response to 09/24/99 Office Action, Filed on 12/23/99"	
	C20	09/296,281, "Abandoned App# 09/296,281, Filed 04/22/99. Hartley, James."	
	C21	09/432,085, "Notice of Allowance mailed 06/28/07"	
	C22	09/432,085, "Office Action mailed 01/12/01"	
	C23	09/432,085, "Office Action mailed 02/07/07"	
	C24	09/432,085, "Office Action mailed 04/09/03"	
	C25	09/432,085, "Office Action mailed 06/16/05"	
	C26	09/432,085, "Office Action mailed 07/16/04"	
	C27	09/432,085, "Office Action mailed 12/19/01"	
	C28	09/432,085, "Office Action mailed 12/24/2003", 1-10	
	C29	09/432,085, "Office Action mailed 12/28/2004", 1-29	
	C30	09/432,085, "Office Action mailed 2/22/2006", 1-7	
	C31	09/432,085, "Response to 01/12/01 Office Action, Filed 7/12/01"	
	C32	09/432,085, "Response to 02/07/07 Notice of Non-Compliant Amendment, Filed 03/05/07"	

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	C33	09/432,085, "Response to 04/09/03 Office Action, Filed 10/09/03"	
	C34	09/432,085, "Response to 07/16/04 Office Action, Filed 10/18/04"	
	C35	09/432,085, "Response to 12/19/01 Office Action, Filed 01/24/03"	
	C36	09/432,085, "Response to 12/24/03 Office Action, Filed 04/26/04"	
	C37	09/432,085, "Response to 12/28/04 Office Action, Filed 03/28/05"	
	C38	09/432,085, "Response to 2/22/06 Office Action, Filed 7/24/06"	
	C39	09/432,085, "Response to 6/16/05 Office Action, Filed 12/16/05"	
	C40	09/432,085, "Supplemental Notice of Allowance 08/07/2007", 1-5	
	C41	09/438,358, "Pending U.S. Non-Provisional Patent Application No. 09/438,358 filed on November 12, 1989", 1-86	
	C42	09/498,074, "Pending U.S. Non-Provisional Patent Application No. 09/498,074, filed February 4, 2000"	
	C43	09/517,466, "Final Office Action Mailed on 04/10/09", 3 pgs	
	C44	09/517,466, "Office Action mailed 03/22/2007", 1-10	
	C45	09/517,466, "Office Action mailed 09/04/08", 1-2	
	C46	09/517,466, "Office Action Mailed 09/30/09", 1	
	C47	09/517,466, "Office Action mailed 10/19/07", 1-5	
	C48	09/517,466, "Office Action mailed 11/18/2005", 1-64	
	C49	09/517,466, "Pending U.S. Non-Provisional Patent Application No. 09/517,466, filed March 2, 2000"	
	C50	09/695,065, "Office Action mailed 02/23/05", 1-54	
	C51	09/695,065, "Office Action mailed 03/10/06", 1-29	
	C52	09/695,065, "Office Action mailed 03/24/2004", 1-64	
	C53	09/695,065, "Office Action mailed 07/17/01", 1-91	
	C54	09/695,065, "Office Action mailed 08/12/2003", 1-6	
	C55	09/695,065, "Office Action mailed 10/27/2004", 1-33	
	C56	09/695,065, "Office Action mailed 4/11/02", 1-14	
	C57	09/695,065, "Response to 02/23/05 Office Action", Filed 03/29/05, 1-3	
	C58	09/695,065, "Response to 03/24/04 Office Action", Filed on 06/23/04, 1-9	
	C59	09/695,065, "Response to 04/11/02 Office Action", Filed on 04/11/03, 1-2	
	C60	09/695,065, "Response to 05/24/01 Office Action", Filed on 06/21/01, 1-4	
	C61	09/695,065, "Response to 07/17/2001 Office Action, Filed 01/17/2002", 1-4	
	C62	09/695,065, "Response to 08/12/03 Office Action", Filed on 10/10/03, 1-2	
	C63	09/695,065, "Response to 10/27/04 Office Action, Filed on 01/27/2005", 1-2	

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	C64	09/695,065, "Restriction Election Received", Mailed 05/24/01, 1-7		
	C65	09/732,914, "Unverified English Language Translation of Document AS219", 7/1/2008 , 1-2		
	C66	09/843,083, "Non-Final Office Action mailed 04/09/03"		
	C67	09/855,797, "Final Office Action received for U.S. Application No. 09/855,797 mailed on 06/20/07", 13		
	C68	09/855,797, "Final Office Action Received for U.S. Application No.09/855,797 mailed on 10/11/2005", 15		
	C69	09/855,797, "Non Final Office Action received for U.S. Application No. 09/855,797 mailed on 10/01/2004", 14		
	C70	09/855,797, "Non-Final Office Action received for U.S. Application No. 09/855,797 mailed on 04/08/2003", 75		
	C71	09/855,797, "Non-Final Office Action received for U.S. Application No. 09/855,797 mailed on 04/20/05", 16		
	C72	09/855,797, "Non-Final Office Action received for U.S. Application No. 09/855,797 mailed on 06/28/06", 16		
	C73	09/855,797, "Non-Final Office Action received for U.S. Application No. 09/855,797 mailed on 12/15/2006", 13		
	C74	09/855,797, "Non-Final Office Action received for U.S. Application No.09/855,797 mailed on 01/28/2008", 7		
	C75	09/855,797, "Non-Final Office Action received for U.S. Application No. 09/855,797 mailed on 10/28/2008", 15		
	C76	09/855,797, "Response to 01/28/2008 Office Action, filed on 7/28/2008"		
	C77	09/855,797, "Response to 06/28/2006 Office Action, filed on 09/28/2006", 12		
	C78	09/855,797, "Response to 10/01/04 Office Action, Filed 02/01/05"		
	C79	09/855,797, "Response to 10/11/05 Final OAifice Action, Filed 04/11/06", 14		
	C80	09/855,797, "Response to 12/24/03 and 04/08/03 Office Actions, Filed 01/05/04"		
	C81	09/855,797, "Response to Final Office Action received for U.S. Application No. 09/855,797 filed on 10/31/2007", 10		
	C82	09/855,797, "Response to Non-Final Office Action received for U.S. Application No. 09/855,797 filed on 04/03/2007", 8		
	C83	09/855,797, "Response to Non-Final Office Action received for U.S. Application No.09/855,797 filed on 07/20/2005", 19		
	C84	09/855,797, "Response to Restriction Requirement received for U.S. Application No. 09/855,797 filed on 01/16/2003", 4		

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	C86	09/907,719, "Final Office Action mailed 7/13/04", 14		
	C87	09/907,719, "Final Office Action mailed 7/2/03", 7		
	C88	09/907,719, "Non Final Office Action received for U.S. Application No. 09/907,719, mailed on 01/29/2004", 1-10		
	C89	09/907,719, "Non-Final Office Action mailed 9/7/07", 1		
	C90	09/907,719, "Non-Final Office Action mailed 1/13/06", 13		
	C91	09/907,719, "Non-Final Office Action mailed 1/14/03", 1		
	C92	09/907,719, "Non-Final Office Action mailed 1/14/03", 62		
	C93	09/907,719, "Non-Final Office Action mailed 1/14/2003", 4		
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	C95	09/907,719, "Non-Final Office Action mailed 1/29/04", 1		
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	C99	09/907,719, "Non-Final Office Action mailed 11/6/03", 55		
	C100	09/907,719, "Non-Final Office Action mailed 11/6/03", 5		
	C101	09/907,719, "Non-Final Office Action mailed 12/10/04", 6		
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	C110	09/907,719, "Office Action mailed 03/21/2008", 1-8		
	C111	09/907,719, "Office Action mailed 03/28/06", 1-10		
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	C114	09/907,719, "Office Action mailed 10/02/2002", 1-5		
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	C116	09/907,719, "Office Action mailed 12/28/2004", 1-33		

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	C119	09/907,719, "Response to 03/28/06 Office Action, Filed on 09/28/06"	
	C120	09/907,719, "Response to 07/02/03 Office Action, Filed on 11/03/03"	
	C121	09/907,719, "Response to 07/13/04 Office Action, Filed on 10/13/04"	
	C122	09/907,719, "Response to 07/26/05 Office Action, Filed on 12/19/05"	
	C123	09/907,719, "Response to 09/07/07 Office Action, Filed on 10/30/07"	
	C124	09/907,719, "Response to 10/02/02 Office Action, Filed on 11/04/02"	
	C125	09/907,719, "Response to 10/02/02 Restriction Requirement, Filed on 11/04/02"	
	C126	09/907,719, "Response to 12/13/06 Office Action, Filed on 06/13/07"	
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	C131	09/907,900, "Non-Final Office Action mailed 4/8/03", 8	
	C132	09/907,900, "Non-Final Office Action mailed 4/8/03", 61	
	C133	09/984,239, "Pending U.S. Non-Provisional Patent Application No. 09/984,239 filed October 29, 2001"	
	C134	09/985,448, "Non Final Office Action mailed 1/22/02", 64	
	C135	09/985,448, "Non Final Office Action mailed 3/3/04", 6	
	C136	09/985,448, "Non Final Office Action mailed 5/20/04", 9	
	C137	09/985,448, "Non Final Office Action mailed 5/20/04", 120	
	C138	09/985,448, "Non Final Office Action mailed 5/20/04", 1	
	C139	09/985,448, "Non Final Office Action mailed 7/9/03", 44	
	C140	09/985,448, "Non Final Office Action mailed 9/25/03", 17	
	C141	09/985,448, "Non-Final Office Action mailed 12/28/04", 2	
	C142	09/985,448, "Office Action mailed 02/04/2004", 4	
	C143	09/985,448, "Response to 2/4/2004 Office Action", filed 03/03/2004, 2	
	C144	09/987,719, "Non-Final Office Action mailed 7/26/05", 12	
	C145	09157008.5, "Extended European Search report mailed on 10/06/09",	
	C146	10/005,876, "Pending Non-Provisional United States Patent Application No. 10/005,876 Filed December 7, 2001- Chesnut"	
	C147	10/058,291, "Final Office Action mailed 11-26-08", 1-6	

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	C148	10/058,291, "Final office action mailed on 04/15/09", 5 pgs		
	C149	10/058,291, "Office Action mailed 03/25/04", 1-125		
	C150	10/058,291, "Office Action mailed 04/28/2005", 1-20		
	C151	10/058,291, "Office Action mailed 08/11/2006", 1-16		
	C152	10/058,291, "Office Action mailed 09/22/2004", 1-11		
	C153	10/058,291, "Office Action mailed 4/28/05"		
	C154	10/058,291, "Response to 03/25/04 Office Action, Filed 07/28/05"		
	C155	10/058,291, "Response to 08/11/06 Office Action, Filed on 02/13/07"		
	C156	10/058,291, "Response to 09/22/04 Office Action, Filed on 01/24/05"		
	C157	10/058,291, "Response to 10/21/05 Office Action, Filed on 06/20/06"		
	C158	10/058,291, "Restriction Requirement mailed 04/15/2009", 1-7		
	C159	10/058,292, "10058292 Office Action mailed 05/26/2005"		
	C160	10/058,292, "Office Action mailed 03/23/04", U.S. Patent No. 7,282,326		
	C161	10/058,292, "Office Action mailed 04/09/2003", U.S. Patent No. 7,282,326 4/9/2003, 1-18		
	C162	10/058,292, "Office Action mailed 05/26/2005", 1-19		
	C163	10/058,292, "Office Action mailed 07/16/2002", U.S. Patent No. 7,282,326, 1-11		
	C164	10/058,292, "Office Action mailed 08/09/2006"		
	C165	10/058,292, "Office Action mailed 09/22/2004" U.S. Patent No. 7,282,326, 1-9		
	C166	10/058,292, "Office Action mailed 11/18/2005", U.S. Patent No. 7,282,326, 1-14		
	C167	10/058,292, "Pending Non-Provisional United States Patent Application No. 10/058,292", Filed January 30, 2002 (NOT PUBLISHED)- Hartley, 1-60		
	C168	10/058,292, "Response to 03/23/04 Office Action, Filed on 06/23/04"		
	C169	10/058,292, "Response to 04/09/03 Office Action, Filed on 08/11/03"		
	C170	10/058,292, "Response to 05/26/05 Office Action, Filed on 08/23/05"		
	C171	10/058,292, "Response to 08/09/06 Office Action, Filed on 02/09/07"		
	C172	10/058,292, "Response to 08/09/06 Office Action, Filed on 06/08/07"		
	C173	10/058,292, "Response to 09/22/04 Office Action, Filed on 03/22/05"		
	C174	10/058,292, "Response to 11/18/05 Office Action, Filed on 05/18/06",		
	C175	10/151,690, "Non-Final Office Action received for U.S. Application No. 10/151,690 mailed on 4/18/2005", 1-12		
	C176	10/151,690, "Office Action mailed 04/18/2005", 1-166		
	C177	10/151,690, "Response to 01/06/2005 Office Action", Filed on 02/07/2005, 1-4		
	C178	10/151,690, "Restriction Requirement for US Application No. 10/151,690 mailed on 01-06-2005", 1-8		

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	C179	10/162,879, "Office Action mailed 03/24/2008", 1-11	
	C180	10/162,879, "Office Action mailed 04/28/2005", 1-17	
	C181	10/162,879, "Office Action mailed 06/18/2007", 1-3	
	C182	10/162,879, "Office Action mailed 10/03/06", 14	
	C183	10/162,879, "Office Action mailed 10/20/2005", 1-15	
	C184	10/162,879, "Response to 04/28/05 Office Action, Filed on 07/28/05", 15	
	C185	10/162,879, "Response to 06/18/07 Office Action, Filed on 12/18/07", 3	
	C186	10/162,879, "Response to 10/03/06 and 06/18/2007 Office Actions, Filed on 12/18/07", 1-6	
	C187	10/162,879, "Response to 10/03/06 Office Action, Filed on 04/02/07"	
	C188	10/162,879, "Response to 10/20/05 Office Action, Filed on 06/20/06", 28	
	C189	10/162,879, "Response to Restriction requirement for U.S. Application No. 10/162,879, filed on 01/18/2005", 4	
	C190	10/162,879, "Restriction Requirement from U.S. Patent Application No. 10/162,879", USPTO, 12/15/2004, 1-6	
	C191	10/300,892, "Office Action mailed 01/16/2004", 1-5	
	C192	10/300,892, "Office Action mailed 04/20/2004", 1-10	
	C193	10/300,892, "Pending Non-Provisional United States Patent Application Filed November 21, 2002-Hartley"	
	C194	10/300,892, "Response to 02/17/2004 Office Action", 1-4	
	C195	10/396,696, "Pending U.S. Non-Provisional Patent Application No. 10/396,696, filed March 26, 2003", 24	
	C196	10/454,793, "Pending U.S. Non-Provisional Patent Application No. 10/454,793, filed June 5, 2003, Chesnut et al.", 1	
	C197	10/633,690, "United States Patent Application No. 10/633,690, filed August 5, 2003", Byrd, 1-141	
	C198	10/633/690, "United States Patent Application No. 10/633/690 filed August 05,2003", 1-124	
	C199	10/640,422, "Office Action mailed 12/15/2006", 1-6	
	C200	10/640,422, "Pending U.S Patent Application No. 10/640,422, filed August 14, 2003", Cheo, (NOT PUBLISHED), 1-446	
	C201	10/640,422, "Response to 12/15/06 Office Action, Filed on 02/15/07"	
	C202	10/640,422, "United States Patent Application Filed 08/14/03", Earliest Publication No: US 2004-0229229 A1 on 11/18/04, Patent No: 7,351,578	
	C203	10/680,316, "Office Action mailed 08/01/2006", 1-16	

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	C204	10/680,316, "Office Action mailed 11/07/2005", 1-100		
	C205	10/680,316, "Response to 11/07/05 Office Action, Filed on 05/05/06"		
	C206	10/792,035, "Application as Filed March 4, 2004. Chesnut", 1-302		
	C207	10/796,868, "Office Action mailed 1/03/2006", 1-8		
	C208	10/796,868, "Response to 01/03/06 Office Action, Filed on 07/03/06"		
	C209	10/796,868, "Response to 01/25/05 Office Action, Filed on 04/25/05"		
	C210	10/815,730, "Final Office Action mailed 07/13/2007"		
	C211	10/815,730, "Final Office Action mailed 12/1/2008"		
	C212	10/815,730, "Non-Final Office Action", 1		
	C213	10/815,730, "Non-Final Office Action mailed 01/28/08"		
	C214	10/815,730, "Non-Final Office Action mailed 10/25/2006"		
	C215	10/815,730, "Non-Final Office Action Received for U.S. Application No. 10/815,730 mailed 1/28/2008", 1		
	C216	10/815,730, "Office Action mailed 10/25/06", 1-12		
	C217	10/815,730, "Response to 01/28/2008 Non-Final Office Action, filed on 07/28/2008", 11		
	C218	10/815,730, "Response to 07/13/2007 Final Office Action, filed on 10/31/2007", 14		
	C219	10/815,730, "Response to 10/25/2006 Office Action, filed on 04/25/2007", 1-8		
	C220	10/820,133, "Office Action Mailed on 11/17/2004", 7		
	C221	10/820,133, "Response to 11/17/2004 Office Action", 5		
	C222	10/820,133, "Response to Office Action mailed on 6/10/2003", 3		
	C223	10/921,265, "Final Office Action mailed 5/9/08", 10		
	C224	10/921,265, "Non Final Office Action mailed 12/15/06", 14		
	C225	10/921,265, "Non Final Office Action mailed 12/15/06", 144		
	C226	10/921,265, "Non Final Office Action mailed 12/15/06", 1		
	C227	10/921,265, "Non Final Office Action mailed 2/28/06", 161		
	C228	10/921,265, "Non Final Office Action mailed 9/19/07", 6		
	C229	10/921,265, "Non Final Office action mailed 9/7/06", 1		
	C230	10/921,265, "Office Action mailed 09/19/2007", 6		
	C231	10/921,265, "Office Action mailed 12/15/06", 1-15		
	C232	10/921,265, "Office Action mailed 12/15/2006", 159		
	C233	10/921,265, "Office Action mailed on 05/09/2008", 10		
	C234	10/921,265, "Office Action mailed on 07/31/2006", 7		

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	C235	10/921,265, "Response to 07/31/2006 Office Action, filed on 9/07/2006", 6	
	C236	10/921,265, "Response to 09/19/2007 Office Action, filed on 02/19/2008", 4	
	C237	10/921,265, "Response to 12/15/2006 Office Action, filed on 6/15/2007", 8	
	C238	10/921,265, "Response to Office Action mailed 9/19/07", 1	
	C239	10/921,265, "Response to Office Action, Filed on 09/07/06", 2 pgs.	
	C240	10/921,265, "Restriction Requirement mailed on 7/31/06", 7	
	C241	10/970,635, "U.S. Patent Application No. 10/970,635, filed October 22, 2004", Abandoned on 9/4/2008, Hanson, 1-86	
	C242	11/000,371, "Final OA Dated 05/29/08", Mailed 05/29/08 FOAR,IVGN 454 5/29/2008, 1-14	
	C243	11/000,371, "Non Final OA Dated 07/25/07", 1-14	
	C244	11/000,371, "Response to 04/10/07 Restriction Election Received", Filed 05/09/07, 1	
	C245	11/000,371, "Response to 07/25/07 Non Final OA Received", Filed 01/25/08, 1	
	C246	11/000,371, "Restriction Election Dated 04/10/07", 1-6	
	C247	11/106,715, "U.S. Patent Application No. 11/106,715 filed on 04/15/2005", 1-137	
	C248	11/249,274, "Office Action mailed 07/08/2008", 1-16	
	C249	11/249,274, "Office Action mailed 07/11/2006", 1-8	
	C250	11/249,274, "Office Action mailed 08/30/07", 1-11	
	C251	11/249,274, "Office Action mailed 12/18/2006", 1-13	
	C252	11/249,274, "Response to 07/11/06 Office Action, Filed on 09/07/06"	
	C253	11/249,274, "Response to 08/30/07 Office Action, Filed on 02/29/08"	
	C254	11/249,274, "Response to 12/18/06 Office Action, Filed on 06/18/07"	
	C255	11/249,274, "U.S. Patent Application No. 11/249,274 filed on 10/14/2005", Hartley, 1-103	
	C256	11/251,821, "United States Patent Application Filed 10/18/05", Abandoned 06/20/08, US 2006-0035272 A1 on 02/16/06; IVGN 271.1 CON 10/18/2005, 1	
	C257	11/290,804, "United States Patent Application No. 11/290,804 filed December 1, 2005", 1-105	
	C258	200510103730.5, "Response to OAR-4MO dated 02/06/09", 13 pgs	
	C259	2005505524, "Office action mailed on 5/20/2009"	
	C260	60/108,324, "Provisional Application, Filed November 13, 1998.", Gerard, Gary, 1-106	
	C261	60/122,392, "Provisional Application Filed 03/02/99", Brash et al.	
	C262	60/136,744, "Provisional Application Filed May 28, 1999", Brasch, Michael	

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	C263	60/161,403, "Provisional Filed October 25, 1999. Brasch, Michael", 1-64	
	C264	60/169,983, "Provisional Application Filed on December 10, 1999.", Brasch, Michael, 1	
	C265	60/188,000, "Provisional Application Expired, Filed March 9, 2000", Salta, Robert, 1	
	C266	60/284,528, "Provisional Application Filed April 19, 2001", 1	
	C267	60/402,920, "Provisional Application Filed August 14, 2002", Cheo, David, 1-79	
	C268	60/475,004, "Provisional Application Filed June 3, 2003. Leong, Louis"	
	C269	91/00363, "English abstract of WO 91/00363 (document AL4)", WPI Accession No. 1991-010244/199102. Dialog File No. 351, Derwent WPI 01/10/1991, 1	
	C270	98/53056, "Derwent World Patent Index, unverified English Language Abstract", PCT Patent No. WO 98/53056 (Document AL 7), WPI, Accession No. 12194396, Dialog File 351 1976, 1-51	
	C271	98/53056, "Dialog File 351 (Derwent World Patents Index) Language Abstract", unverified English language abstract for WIPO/PCT Publication No. WO 98/53056 (Document No. AP4); WPI Accession NO. 1999-000502/199901, 1999	
	C272	98/53056, "Dialog File 351, Accession No. 12194396", Dewent WPI English language Abstract for WO 98/53056 (Document AP4), 1-8	
	C273	98/53056, "Dialog File 351, Derwent WPI English language abstract", Derwent WPI English language abstract for WO 98/53056 (AO6)Accession No. 1999-000502/199901, 1998	
	C274	98/53056, "Unverified English language abstract for PCT Publication No. 98/53056 Derwent World Patent Index, WPI Accession no. 1999-000502/199901, Dialog File 351", (ALB)	
	C275	99/25851, "Derwent World Patent Index, unverified English Language Abstract", PCT Patent No. WO 99/25851 (Document AO 7), WPI Accession No. 12541379, Dialog File 351, 1-8	
	C276	99/25851, "Dialog File 351 (Derwent World Patents Index)", unverified English language abstract for WIPO/PCT Publication No. WO 99/25851 (Document No. AM4) ; WPI Accession No. 1999-347485/199929 1999	
	C277	99/25851, "Dialog File 351 Unverified English Language Abstract", Derwent World Patent Index, PCT Patent No. WO 99/25851 (Document AO7), WPI Accession No. 12541379	

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	C278	ALONSO, JUAN C., "Site-Specific Recombination in Gram-Positive Theta-Replicating Plasmids", <i>FEMS Microbiology Letters</i> , Col 142: 1-10, Elsevier Science B.V., 1996	
	C279	AMIN et al., "Synthesis of an Enzymatically Active FLP Recombinase In Vitro: Search for a DNA-Binding Domain", <i>Molecular and Cellular Biology</i> , Vol: 9(5), American Society for Microbiology, 1989	
	C280	ARNOTT et al., "DNA-RNA Hybrid Secondary Structures", <i>J. Mol. Biol.</i> , Vol. 188: 631-640, 1986	
	C281	ASKOxford, "Dictionary Definition for In-Vitro", AskOxford.com online dictionaryconcise_oed/invitro?view=uk, http://www.askoxford.com/ accessed 9/12/2006, 1	
	C282	ASTATKE et al., "Deoxynucleoside Triphosphate and Pyrophosphate Binding Sites in the Catalytically Competent Ternary Complex for the Polymerase Reaction Catalyzed by DNA Polymerase I (Klenow Fragment)", <i>The Journal of Biological Chemistry</i> , Vol. 270(4): 1945-1954, 1995	
	C283	ASTUMIAN et al., "Site-specific Recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient Escherichia coli", <i>Journal of Bacteriology</i> , Vol.171(3): 1747-1750, American Society for Microbiology, Washington, D.C., 1989	
	C284	AUSUBEL et al., "Maps of Plasmids", <i>Current Protocols in Molecular Biology</i> , pp. 1.5.3-1.5.4, John Wiley & Sons, Inc., Boston, MA, 1995	
	C285	AUSUBEL et al., "Maps of Plasmids pBR322 and pUC19", <i>Short Protocols in Molecular Biology Third Edition</i> , pp. 1.12-1.13, John Wiley & Sons, Inc., Boston, MA, 1995	
	C286	AYRES et al., "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX). The trfA Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts", <i>J. Mol. Biol.</i> , Vol.230: 174-185, 1993	
	C287	BALAKRISHNAN et al., "A gene cassette for adapting Escherichia coli strains as hosts for att-Int-mediated rearrangement and PI expression vectors", <i>Gene</i> , Vol. 138: 101-104, 1994	
	C288	BALL et al., "Dramatic Changes in Fis Levels Upon Nutrient Upshift in Escherichia Coli", <i>Journal of Bacteriology</i> , Vol.174(24): 8043-8056, 1992	
	C289	BARNES, WAYNE M., "The Fidelity of Taq Polymerase Catalyzing PCR is Improved by an N-Terminal Deletion", <i>Gene</i> , Vol.112: 29-35, 1992	

EXAMINER

DATE CONSIDERED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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	C290	BASU et al., "Identification and Amino Acid Sequence of the Deoxynucleoside Triphosphate Binding Site in Escherichia coli DNA Polymerase I", <i>Biochemistry</i> , Vol.26: 1704-1709, American Chemical Society, 1987	
	C291	BAUBONIS et al., "Genomic targeting with purified Cre recombinase.", <i>Nucleic Acids Research</i> , Vol. 21.(9): 2025-2029, Oxford Press., 1993	
	C292	BEESE et al., "Crystal Structures of the Klenow Fragment of DNA Polymerase I Complexed with Deoxynucleoside Triphosphate and Pyrophosphate", <i>Biochemistry</i> , Vol. 32(51): 14095-14101, 1993	
	C293	BERGQUIST et al., "Ch 6: Genetics and Potential Biotechnological Applications of Thermophilic and Extremely Thermophilic Microorganisms", <i>Biotechnology and Genetic Engineering Reviews</i> , Vol.5: 199-244, editor Gordon E. Russell, 1987	
	C294	BERNAD et al., "A Conserved 3'-5' Exonuclease Active Site in Prokaryotic and Eukaryotic DNA Polymerases", <i>Cell</i> , Vol.59: 219-228, 1989	
	C295	BERNARD et al., "Cell Killing by the F plasmid CcdB Protein Involves Poisoning of DNA-topoisomerase II Complexes", <i>J. Mol. Biol.</i> , Vol.226: 735-745, Academic Press, Inc., 1992	
	C296	BERNARD, PHILIPPE, "Positive Selection of Recombinant DNA by CcdB", <i>BioTechniques</i> , Vol. 21(2): 320-323, 1996	
	C297	BERNARD et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase", <i>J. Mol. Biol.</i> , Vol.234: 534-547, Academic Press Limited, 1993	
	C298	BLANCO et al., "Evidence favouring the hypothesis of a conserved 3'-5' exonuclease active site in DNA-dependent DNA polymerases", <i>Gene</i> , Vol.112: 139-144, 1992	
	C299	BLISKA et al., "Use of Site-Specific Recombination as a Probe of DNA Structure and Metabolism in Vivo", <i>Journal of Molecular Biology</i> , Vol.194: 205-218, Academic Press Inc., 1987	
	C300	BLISSARD et al., "Baculovirus gp64 Gene Expression: Analysis of Sequences Modulating Early Transcription and Transactivation by IE1", <i>Journal of Virology</i> , Vol.65(11): 5820-5827, American Society for Microbiology, 1991	
	C301	BOTSTEIN et al., "Making Mutations In Vitro and Putting Them Back Into Yeast", <i>From Gene To Protein: Translation into Biotechnology</i> , Miami Winter Symposia, Vol.19: 265-274, 1982	

EXAMINER

DATE CONSIDERED

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	C302	BRAITHWAITE et al., "Compilation, alignment, and phylogenetic relationships of DNA polymerases", <i>Nucleic Acids Research</i> , Vol.21(4): 787-802, 1993	
	C303	CA2307016, "Office Action mailed 02/09/09"	
	C304	CAMPBELL, A., "Comparative Molecular Biology of Lambda Phages", <i>Annu.Rev..Microbiol.</i> , Vol.48: 193-222, 1994	
	C305	CARNINCI et al., "High Efficiency Full-Length cDNA Cloning by Biotinylated CAP Trapper", <i>Genomics</i> , Vol.37(3): 327-336, Academic Press, Inc., 1996	
	C306	CARNINCI et al., "High Efficiency Selection of full-length cDNA by Improved Biotinylated Cap Trapper", <i>DNA Research</i> , Vol.4: 61-66, Universal Academy Press, 1997	
	C307	CARNINCI et al., "High-Efficiency Full-Length cDNA Cloning", <i>Methods in Enzymology</i> , Vol.303: 19-44, Academic Press, 1999	
	C308	CHARTIER et al., "Efficient Generation of Recombinant Adenovirus Vectors by Homologous Recombination in Escherichia Coli", <i>Journal of Virology</i> , Vol.70(7): 4805-4810, 1996	
	C309	CHATTERJEE et al., "Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, Markers Selectable in Mammalian Cells and Generation of Nested Deletions", <i>Genetic Analysis: Biomolecular Engineering</i> , Vol.13: 33-42, Elsevier Science B.V, 1996	
	C310	CHENG et al., "A catalytic domain of eukaryotic DNA topoisomerase I", <i>The Journal of Biological Chemistry</i> , Vol.273(19): 11589-11595, The American Society for Biochemistry and Molecular Biology, Inc., 1988	
	C311	CHENG et al., "DNA strand transfer catalyzed by vaccinia topoisomerase: ligation of DNAs containing a 3' mononucleotide overhang", <i>Nucleic Acids Research</i> , Vol.28(9): 1893-1898, Oxford University Press, 2000	
	C312	CHENG et al., "Mutational analysis of 39 residues of vaccinia DNA topoisomerase identifies Lys-220, Arg-223, and Asn-228 as important for covalent catalysis", <i>The Journal of Biological Chemistry</i> , Vol.272(13): 8263-8269, The American society for Biochemistry and Molecular Biology, Inc., 1997	
	C313	CHENG et al., "Site-specific DNA transesterification by vaccinia topoisomerase: Role of specific phosphates and nucleosides", <i>Biochemistry</i> , Vol.38(50): 16599-16612, American Chemical Society, 1999	
	C314	CHIBA et al., "Common sites for recombination and cleavage mediated by bacteriophage T4 DNA topoisomerase in Vitro", <i>The Journal of Biological Chemistry</i> , Vol.264(22): 12785-12790, 1989	

EXAMINER

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	C315	CHOU et al., "Use of Dark-Quenched FRET probes in Real-Time PCR", <i>American Biotechnology Laboratory</i> , Vol.19(8): 34, 2001	
	C316	CLONTECH, "Creator pDNR-Dual Cloning Kit", <i>CLONTECHniques</i> , pp. 1-3, CLONTECH, 2001	
	C317	CLONTECH, "Creator SMART Library Construction Kit", <i>CLONTECHniques 16</i> , pp. 1-2, 2001	
	C318	CLONTECH, "New Creator- Acceptor Construction Kit", <i>CLONTECHniques 16</i> , 2, CLONTECH, 2001	
	C319	CN 00818077.6, "Final Office Action mailed on 02/06/09"	
	C320	CN 00818077.6, "Notification of Third Office Action mailed 08/15/08"	
	C321	CN 00818077.6, "Response to 08/15/08 Office Action, Filed on 09/22/08"	
	C322	CN 00818077.6, "Response to 08/15/08 Office Action, Filed on 12/30/08"	
	C323	CN 00818077.6, "Response to Office Action, Filed 06/16/08"	
	C324	COPELAND et al., "Recombineering: A Powerful New Tool For Mouse Functional Genomics", <i>Nature Reviews   Genetics</i> , Vol.2: 769-779, 2001	
	C325	CORMACK, BRENDAN, "Mutagenesis Using the Polymerase Chain Reaction", <i>Current Protocols in Molecular Biology</i> , pp. 8.5.1-8.5.10, John Wiley & Sons, Inc., Boston, MA, 1991	
	C326	CSORDAS-TOTH et al., "Nucleotide sequence of a secondary attachment site for bacteriophage lambda on the Escherichia coli chromosome", <i>Nucleic Acids Research</i> , Vol.7(5): 1335-1341, 1979	
	C327	CUBITT et al., "Understanding structure-function relationships in the Aequorea victoria green fluorescent protein", <i>Methods in Cell Biology</i> , Vol.58: 19-30, 1999	
	C328	DIGATE et al., "Molecular Cloning and DNA Sequence Analysis of Escherichia coli topB, the Gene Encoding Topoisomerase III", <i>The Journal of Biological Chemistry</i> , Vol.264(30): 17924-17930, The American society for Biochemistry and Molecular Biology, Inc., 1989	
	C329	EDERY et al., "An Efficient Strategy to Isolate Full-Length cDNAs Based on an mRNA Cap Retention Procedure (CAPture)", <i>Molecular and Cellular Biology</i> , Vol.15(6): 3363-3371, American Society for Microbiology, 1995	
	C330	EDLUND et al., "Tandem Duplication Induced by an Unusual ampA1-, ampC- Transducing Lambda Phage: A Probe to Initiate Gene Amplification", <i>Molec. Gen. Genet.</i> , Vol.180: 249-257, Department of Microbiology, University of Umea, S-901 87 Umea, Sweden, 1980	

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	C331	ENQUIST et al., "Strand exchange in site-specific recombination", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.76(3): 1363-1367, 1979	
	C332	EP 00984184.2, "European Search Report mailed 02/19/2004"	
	C333	EP 08153538.7, "European Search Report mailed 01/16/09"	
	C334	EP 96923288.3, "European Search Report mailed 08/31/99"	
	C335	EP 98955110.6, "European Search report mailed on 09/27/02"	
	C336	EP 98955110.6, "European Search Report mailed on 06/25/02"	
	C337	EP0155427, "Dialog File 351, Accession No. 4411606", <i>Derwent WPI English Lang. Patent No. 98/53056, EP0155427A1</i> (Document AL7) WPI Accession No. 12194396	
	C338	ERICSSON et al., "Characterization of ts 16, a Temperature-Sensitive Mutant of Vaccinia Virus", <i>Journal of Virology</i> , Vol.69(11): 7072-7086, American Society for Microbiology, 1995	
	C339	FEIL et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains", <i>Biochemical and Biophysical Research Communications</i> , Vol.237: 752-757, Academic Press, 1997	
	C340	FERMENTAS LIFE SCIENCES, "pUC18/19 Description and Map", <i>Fermentas Life Sciences</i> , pp. 1-2, <a href="http://www.fermentas.com/techninfo/nucleicacids/mappuc1819.htm">http://www.fermentas.com/techninfo/nucleicacids/mappuc1819.htm</a> 8/2006	
	C341	FLOWERS et al., "Inhibition of Recombinant Human Immunodeficiency Virus Type 1 Replication by a Site-Specific Recombinase", <i>Journal of Virology</i> , Vol.71(4): 2685-2692, 1997	
	C342	GARDNER et al., "Role of Escherichia coli IHF Protein in Lambda Site-specific Recombination- A Mutational Analysis of Binding Sites", <i>JOURNAL OF MOLECULAR BIOLOGY</i> , Vol.19(2):181-189, 1986	
	C343	GIBCO BRL, <i>GatewayTM Cloning Technology, Version 1, Life Technologies Instructions Manual</i> , pp. 1-60, <a href="http://www.lifetech.com/gateway">http://www.lifetech.com/gateway</a> , 1999	
	C344	GOTOU et al., "Gateway Cloning Technology", <i>Experimental Medicine</i> , Vol.18 (19): 2716-2717, 2000	
	C345	GRINDLEY et al., "Effects of Different Alleles of the E. coli K12 polA Gene on the Replication of Non-transferring Plasmids", <i>Molec. Gen. Genet.</i> , Vol.143: 311-318, 1976	
	C346	GROSS et al., "Vaccinia Virions Lacking the RNA Helicase Nucleoside Triphosphate Phosphohydrolase II Are Defective in Early Transcription", <i>Journal of Virology</i> , Vol.70(12): 8549-8555, American Society for Microbiology, 1996	

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	C347	GUPTA et al., "Eukaryotic DNA topoisomerases I", <i>Biochmica et Biophysica Acta</i> , Vol.1262: 1-14, Elsevier Science B.V., 1995	
	C348	GUY et al., "Delivery of DNA into Mammalian Cells by Receptor-Mediated Endocytosis and Gene Therapy", <i>Molecular Biotechnology</i> , Vol.3: 237-248, 1995	
	C349	HAGHIGHAT et al., "eIF4G Dramatically Enhances the Binding of eIF4E to the mRNA 5'-Cap Structure", <i>The Journal of Biological Chemistry</i> , Vol.272(35): 21677-21680, The American Society for Biochemistry and Molecular Biology, Inc., 1997	
	C350	HAGHIGHAT et al., "The eIF4G-eIF4E Complex is the Target for Direct Cleavage by the Rhinovirus 2A Proteinase", <i>Journal of Virology</i> , Vol.70: 8444-8450, 1996	
	C351	HALL, RUTH M., "Mobile Gene Cassettes and Integrons: moving Antibiotic resistance genes in Gram-Negative Bacteria.", <i>Ciba Found Symposium 207</i> , pp. 192-202, 1997	
	C352	HENNINGFELD et al., "A Model for Topoisomerase I-Mediated Insertions and Deletions with Duplex DNA Substrates Containing Branches, Nicks, and Gaps", <i>Biochemistry</i> , Vol.34(18): 6120-6129, American Chemical Society, 1995	
	C353	HOESS et al., "P1 site-specific recombination: Nucleotide sequence of the recombining sites", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.79(11): 3398-3402, 1982	
	C354	HU et al., "DNA Polymerase-Catalyzed Addition of Nontemplated Extra Nucleotides to the 3' End of a DNA Fragment", <i>DNA and Cell Biology</i> , Vol.12(8): 763-770, Mary Ann Liebert, Inc., 1993	
	C355	HWANG et al., "Interaction of Integration Host Factor from Escherichia coli with the Integration Region of the Haemophilus influenzae Bacteriophage HPI", <i>JOURNAL OF BACTERIOLOGY</i> , Vol.172(9): 4852-4860, 1990	
	C356	IINO et al., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of Salmonella", <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , Vol.45: 11-16, Cold Spring Harbor Laboratory Press, 1981	
	C357	INSTITUT PASTEUR, "Figure 1", <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html</a> , pp.1-2, 2003	
	C358	INSTITUT PASTEUR, "Figure 2", <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html</a> , 1,2003	

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	C359	INSTITUT PASTEUR, "Figure 3", <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html</a> , 2003	
	C360	INSTITUT PASTEUR, "Introduction", Institut Pasteur Website, <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html</a> , pp. 1-9, 2003	
	C361	INSTITUT PASTEUR, "Introduction & Figures 1-3", Institut Pasteur Integron System Website: Introduction, flgs. 1-3 and Contact Page, available at <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html</a> (accessed June 19, 2003), pp. 1-10, 2003	
	C362	INVITROGEN, "Gateway(tm) Cloning Technology", Version 1 GIBCO BRL Life Technologies Instruction Manual Quick Reference Sheet: <a href="http://www.lifetech.com/gateway">http://www.lifetech.com/gateway</a> , pp. 1-60, 1999	
	C363	INVITROGEN, "pENTR Directional TOPO Cloning Kits Manual", Catalogue Nos. K2400-20, K2400-480, K2400-500, K2420-20, K2420-80, K2r20-500, Version B. Invitrogen Corporation, pp. 1-12, Carlsbad, CA, 2002	
	C364	INVITROGEN, "pLenti6/V5 Directional TOPO Cloning Kit", Catalogue No. K4955-10, Version B Invitrogen Corporation, pp. 1-12, Carlsbad, CA, 2000	
	C365	INVITROGEN, "The Echo Cloning System: The Future of Cloning is Here", Invitrogen Online Catalogue, pp. 1-8, <a href="http://web.archive.org/web/20010112191100/www.invitrogen.com/catalogue_project/cat_echo.html">http://web.archive.org/web/20010112191100/www.invitrogen.com/catalogue_project/cat_echo.html</a> , 2004	
	C366	INVITROGEN, "The fastest method of entry into Gateway Technology", <a href="http://www.invitrogen.com">www.invitrogen.com</a> , pp. 1-4, 2002	
	C367	INVITROGEN CORPORATION, "Expression in S. cerevisiae", Invitrogen Catalogue, pp. 18, 29, 43, 44, 49-52, Carlsbad, California, 1998	
	C368	JANKNECHT, RALF et al., "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.88: 8972-8976, 1991	
	C369	JP 2000-518069, "Office Action mailed 03/02/09"	
	C370	JP 2006-273481, "Office Action mailed 02/19/09"	
	C371	JP 2007-175995, "Response to 08/27/09 Office Action, Filed on 02/10/09"	
	C372	KANE et al., "Vaccinia Virus Morphogenesis Is Blocked by a Temperature-Sensitive Mutation in the 17 Gene That Encodes a Virion Component", <i>Journal of Virology</i> , Vol.67(5): 2689-2698, 1993	
	C373	KATO et al., "Construction of a human full-length cDNA bank", <i>Gene</i> , Vol.150: 243-250, Elsevier Science, 1994	

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	C374	KAWANO et al., "A Lentiviral cDNA Library Employing Lambda Recombination Used To Clone an Inhibitor of Human Immunodeficiency Virus Type 1-Induced Cell Death", <i>Journal of Virology</i> , Vol.78(20): 11352-11359, 2004		
	C375	KIGUCHI et al., "Domain structure of vaccinia DNA ligase", <i>Nucleic Acids Research</i> , Vol. 25(4): 727-734, Kluwer Academic Publishers, 1997		
	C376	KLEMM et al., "Peptide Inhibitors of DNA Cleavage by Tyrosine Recombinases and Topoisomerases", <i>J. Mol. Biol.</i> , Vol.299(5): 1203-1216, Academic Press, Inc., 2000		
	C377	KLEMPERER et al., "Identification and Characterization of the orf Virus Type I Topoisomerase", <i>Virology</i> , Vol.206: 203-215, Academic Press, Inc., 1995		
	C378	KLIPPEL et al., "Isolation and characterization of unusual gin mutants", <i>The EMBO Journal</i> , Vol.7(12): 3983-3989, IRL Press Inc., 1988		
	C379	KROGH et al., "DNA strand transfer catalyzed by vaccinia topoisomerase: peroxidolysis and hydroxylaminolysis of the covalent protein-DNA intermediate", <i>Biochemistry</i> , Vol.39(21): 6422-6432, American Chemical Society, 2000		
	C380	KROGH et al., "Effect of 2'-5' phosphodiesters on DNA transesterification by vaccinia topoisomerase", <i>The Journal of Biological Chemistry</i> , Vol.276(24): 20907-20912, The American Society for Biochemistry and Molecular Biology, Inc., 2001		
	C381	KROGH et al., "Melanoplus sanguinipes entomopoxvirus DNA topoisomerase: site-specific DNA transesterification and effects of 5'-bridging phosphorothiolates", <i>Virology</i> , Vol.264(2): 441-451, Academic Press, Inc., 1999		
	C382	KROGH et al., "Vaccinia topoisomerase mutants illuminate conformational changes during closure of the protein clamp and assembly of a functional active site", <i>The Journal of Biological Chemistry</i> , pp. 1-38, The American Society for Biochemistry and Molecular Biology, Inc., 2001		
	C383	KUDLA et al., "FR 2670502 (Document AL20)and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201", Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No.FR 2670502 (Document AL20)and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 2004		
	C384	LEE et al., "A Highly Efficient Escherichia Coli-Based Chromosome Engineering System Adapted for Recombinogenic Targeting and Subcloning of Bac DNA", <i>Genomics</i> , Vol.73(1): 56-65, 2001		

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	C385	LIEBER et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Excision Exhibit Different Biological Properties Compared with First-Generation Vectors In Vitro and In Vivo", <i>Journal of Virology</i> , Vol.70(12): 8944-8960, American Society for Microbiology, 1996	
	C386	LIU et al., "Mapping the 5' and 3' Ends of Tetrahymena thermophelia mRNAs Using RNA Ligase Mediated Amplification of cDNA Ends (RLM-RACE)", <i>Nucleic Acids Research</i> , Vol.21(21): 4954-4960, Oxford University Press, 1993	
	C387	LIU et al., "The univector plasmid-fusion system, a method for rapid contraction of recombinant DNA without restriction enzymes", <i>Current Biology</i> , Vol.8(24): 1300-1309, 1998	
	C388	LOCKARD et al., "Labeling of Eukaryotic Messenger RNA 5' Terminus with Phosphorus-32: Use of Tobacco Acid Pyrophosphatase for Removal of Cap Structures", <i>Gene Amplification and Analysis</i> , Vol.2: 229-251, Elsevier Science, 1981	
	C389	MACHATTIE et al., "Chromosomal integration of phage [lambda] by means of a DNA insertion element", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.75(3): 1490-1494, 1978	
	C390	MARUYAMA et al., "Oligo-Capping: A Simple Method to Replace the Cap Structure of Eukaryotic mRNAs with Oligoribonucleotides", <i>Gene</i> , Vol.138: 171-174, 1994	
	C391	MATTHEWS et al., "Analytical Strategies for the Use of DNA Probes", <i>Analytical Biochemistry</i> , Vol.169:1-25, 1988	
	C392	MERKULOV, G. V., "Libraries of Green Fluorescent Protein Fusions Generated by Transposition in Vivo", <i>Gene</i> , Vol.222: 213-222, 1998	
	C393	MILLER et al., "Direct Role of the himA Gene Product in Phage lambda Integration", <i>Nature</i> , Vol.290: 523-526, 1981	
	C394	MIZUUCHI et al., "Integrative recombination of bacteriophage lambda: Extent of the DNA sequence involved in attachment site function", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.77(6): 3220-3224, 1980	
	C395	MIZUUCHI et al., "Integrative Recombination of Bacteriophage Lambda: In Vitro Study of the Intermolecular Reaction", <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , Vol.43: 1111-1114, Cold Spring Harbor Laboratory Press, 1979	

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	C396	MORHAM et al., "Covalent and Noncovalent DNA Binding by Mutants of Vaccinia DNA Topoisomerase I", <i>Journal of Biological Chemistry</i> , Vol.267(22): 15984-15992, The American Society for Biochemistry and Molecular Biology, Inc., 1992	
	C397	MORHAM et al., "Phenotypic selection and characterization of mutant alleles of a eukaryotic DNA topoisomerase I", <i>Genes &amp; Development</i> , Vol.4(4): 515-524, Cold Spring Harbor Laboratory Press, 1990	
	C398	MSN ENCARTA, "Dictionary entry for "in vitro"" , Encarta.msn.com http://Encarta.msn.com/encnet/features/dictionaryresults.aspx?refid=18616222... Accessed, p. 1, 9/12/2006	
	C399	MURPHY, KENAN C., "Use of Bacteriophage Lambda Recombination Functions to Promote Gene Replacement in Escherichia coli", <i>Journal of Bacteriology</i> , Vol. 180(8): 2063-2071, 1998	
	C400	MUSKHELISHVILI et al., "SSVI-encoded site-specific recombination system in Sulfolobus shibatse", <i>Molecular and General Genetics</i> , Vol. 237(3):334-342, 1993	
	C401	MUYRERS et al., "Rapid Modification of Bacterial Artificial Chromosomes by ET-Recombination", <i>Nucleic Acids Research</i> , Vol.27(6): 1555-1557, Oxford University Press, 1999	
	C402	NASH, HOWARD A., "Integrative Recombination of Bacteriophage Lambda DNA In Vitro", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.72(3): 1072-1076, National Academy of Sciences, 1975	
	C403	NEW ENGLAND BIOLABS, "pUC18/19 Description and map", #N3041S http://www.neb.com/nebecomm/products/productN3041.asp, 1-2, 2006	
	C404	OHKAWA et al., "Control of the Functional Activity of an Antisense RNA by a Tetracycline-Responsive Derivative of the Human U6 snRNA Promoter", <i>Human Gene Therapy</i> , Vol.11: 577-585, 2000	
	C405	OVERKEMPE, KORNELIS, Filed February 4, 2000.	
	C406	PALANIYAR et al., "SFV topoisomerase: sequence specificity in a genetically mapped interval", <i>Virology</i> Vol 221, American Press, Inc. 1996 , 351-354	
	C407	PARKER et al., "AmpliTaq DNA Polymerase, FS Dye-Terminator Sequencing: Analysis of Peak Height Patterns", <i>BioTechniques</i> , Vol.21(4): 694-699, PJB Publications, London., 1996	

EXAMINER

DATE CONSIDERED

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	C408	PARKS et al., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging", <i>Journal of Virology</i> , Vol.71(4): 3293-3298, 1997			
	C409	PCT/US00/05432, "International Search report for PCT Application No. PCT/US00/05432 mailed on 05/23/2000", 3			
	C410	PCT/US03/22437, "International Search Report received for PCT Application No. PCT/US03/22437 mailed on 03/07/2005", 3			
	C411	PCT/US96/10082, "International Search Report received for PCT Application No. PCT/US96/10082 mailed on 12/19/1996", 3			
	C412	PCT/US97/21880, "International Search Report mailed 09/01/98"			
	C413	PCT/US97/21880, "International Search Report mailed 10/26/98"			
	C414	PCT/US98/22589, "International Search Report received for PCT Application No. PCT/US98/22589 mailed on 02/05/1999", 1-3			
	C415	PETERSEN et al., "DNA strand transfer reactions catalyzed by vaccinia topoisomerase: hydrolysis and glycerololysis of the covalent protein-DNA intermediate", <i>Nucleic Acids Research</i> , Vol.25(11): 2091-2097, Oxford University Press, 1997			
	C416	PETERSEN et al., "Histidine 265 is Important for Covalent Catalysis by Vaccinia Topoisomerase and is Conserved in all Eukaryotic Type I Enzymes", <i>Journal of Biological Chemistry</i> , Vol.272(2): 3891-3896, 1997			
	C417	PETERSEN et al., "Mutations within a conserved region of vaccinia topoisomerase affect the DNA cleavage-religation equilibrium", <i>J. Mol. Biol.</i> , Vol. 263(2): 181-195, Academic Press Limited, 1996			
	C418	PRASAD et al., "Substrate Recognition by the 2um Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate", <i>Molecular and Cellular Biology</i> , Vol.6(12): 4329-4334, American Society for Microbiology, Washington, D.C., 1986			
	C419	REED, RANDALL R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System", <i>Cell</i> , Vol.25: 713-719, 1981			
	C420	ROSS et al., "Interaction of Int Protein with Specific Sites on lambda att DNA", <i>Cell</i> , Vol.18: 297-307, 1979			
	C421	SADOWSKI, PAUL D., "Site-Specific Genetic Recombination: Hops, Flips and Flops", <i>Faseb Journal</i> , Vol.7(9): 760-767, 1993			

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DATE CONSIDERED

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	C422	SALAZAR et al., "The DNA strand in DNA.RNA hybrid duplexes is neither B-form nor A-form in solution", <i>Biochemistry</i> , Vol.32(16): 4207-4215, American Chemical Society, 1993	
	C423	SAMBROOK et al., "Ch: 16.6-16.8-Termination and Polyadenylation Signals", <i>Molecular Cloning: A Laboratory Manual, Second Edition</i> , pp. 16.6-16.8, Cold Spring Harbor Laboratory Press, 1989	
	C424	SCHMITT et al., "Affinity purification of histidine-tagged proteins", <i>Molecular Biology Reports</i> , Vol.18(3): 223-230, 1993	
	C425	SEKIGUCHI et al., "Covalent DNA binding by vaccinia topoisomerase results in unpairing of the thymine base 5' of the scissile bond and Shuman", <i>Journal of Biological Chemistry</i> , Vol.271(32): 19436-19442, The American Society for Biochemistry and Molecular Biology, Inc., 1996	
	C426	SEKIGUCHI et al., "Identification of contacts between topoisomerase I and its target DNA by site-specific photocrosslinking", <i>The EMBO Journal</i> , Vol.15(13): 15721-15728, Oxford University Press, 1996	
	C427	SEKIGUCHI et al., "Kinetic analysis of DNA and RNA strand transfer reactions catalyzed by vaccinia topoisomerase", <i>The Journal of Biological Chemistry</i> , Vol.272(25): 15721-15728, The American Society for Biochemistry and Molecular Biology, Inc., 1997	
	C428	SEKIGUCHI et al., "Mechanism of inhibition of vaccinia DNA topoisomerase by novobiocin and coumermycin", <i>The Journal of Biological Chemistry</i> , Vol.271(4): 2313-2322, The American Society for Biochemistry and Molecular Biology, Inc., 1996	
	C429	SEKIGUCHI et al., "Mutational analysis of vaccinia virus topoisomerase identifies residues involved in DNA binding", <i>Nucleic Acids Research</i> , Vol.25(18): 3649-3656, Oxford University Press, 1997	
	C430	SEKIGUCHI et al., "Nick sensing by vaccinia virus DNA ligase requires a 5' phosphate at the nick and occupancy of the adenylate binding site on the enzyme", <i>The Journal of Virology</i> , Vol. 71(12): 9679-9684, American Society for Microbiology, 1997	
	C431	SEKIGUCHI et al., "Proteolytic footprinting of vaccinia topoisomerase bound to DNA", <i>The Journal of Biological Chemistry</i> , Vol.270(19): 11636-11645, The American Society for Biochemistry and Molecular Biology, Inc., 1995	

---

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	C432	SEKIGUCHI et al., "Resolution of a Holliday junction by vaccinia topoisomerase requires a spacer DNA segment 3' of the CCCTT/cleavage sites", <i>Nucleic Acids Research</i> , Vol.28(14): 2658-2663, Oxford University Press, 2000	
	C433	SEKIGUCHI et al., "Resolution of Holliday junctions by eukaryotic DNA topoisomerase I", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.93(2): 785-789, National Academy of Sciences, 1996	
	C434	SEKIGUCHI et al., "Site-specific ribonuclease activity of eukaryotic DNA topoisomerase I", <i>Molecular Cell</i> , Vol. 1(1): 89-97, Cell Press, 1997	
	C435	SEKIGUCHI et al., "Stimulation of vaccinia topoisomerase I by nucleoside triphosphates", <i>Journal of Biological Chemistry</i> , Vol.69(47): 29760-29764, The American Society for Biochemistry and Molecular Biology, Inc., 1994	
	C436	SEKIGUCHI et al., "Vaccinia topoisomerase binds circumferentially to DNA", <i>Journal of Biological Chemistry</i> , Vol.269(50): 31731-31734, The American Society for Biochemistry and Molecular Biology, Inc., 1994	
	C437	SHATKIN et al., "Capping of Eucaryotic mRNAs", <i>Cell</i> , Vol.9: 645-653, 1976	
	C438	SHIMA et al., "Construction and Characterization of N-Terminally Truncated DNA Polymerase from <i>Thermus thermophilus</i> ", <i>Journal of Fermentation and Bioengineering</i> , Vol.81(6): 504-510, Elsevier B.V., New York, 1996	
	C439	SHUMAN, STEWART, "Analysis of topoisomerase-DNA interactions by electrophoretic mobility shift assay", <i>Methods in Molecular Biology</i> , Vol.95: 65-74, Hunana Press, Inc., 2001	
	C440	SHUMAN, STEWART, "DNA Strand Transfer Reactions Catalyzed by Vaccinia Topoisomerase I", <i>The Journal of Biological Chemistry</i> , Vol.267(12): 8620-8627, The American Society for Biochemistry and Molecular Biology, Inc., 1992	
	C441	SHUMAN et al., "Insertional mutagenesis of the vaccinia virus gene encoding a type I DNA topoisomerase: evidence that the gene is essential for virus growth", <i>Virology</i> , Vol.170(1):302-306, Academic Press, Inc., 1989	
	C442	SHUMAN et al., "Intramolecular synapsis of duplex DNA by vaccinia topoisomerase", <i>The EMBO Journal</i> , Vol.16(21): 6584-6589, Oxford University Press, 1997	
	C443	SHUMAN et al., "Mapping the active-site tyrosine of vaccinia virus DNA topoisomerase I", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.86(24): 9793-9797, National Academic of Sciences, 1989	
	C444	SHUMAN, STEWART , "Polynucleotide ligase activity of eukaryotic topoisomerase I", <i>Molecular Cell</i> Vol 1, No 5, Cell Press 4/1998 , 741-748	

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	C445	SHUMAN, STEWART, "Site-specific DNA cleavage by vaccinia virus DNA topoisomerase I. Role of nucleotide sequence and DNA secondary structure", <i>The Journal of Biological Chemistry</i> , Vol.266(17): 1796-1803, The American Society for Biochemistry and Molecular Biology, Inc., 1991		T <sup>2</sup>
	C446	SHUMAN et al., "Site-specific interaction of vaccinia virus topoisomerase I with base and sugar moieties in duplex DNA", <i>Journal of Biological Chemistry</i> , Vol.268(25): 18943-18950, The American Society for Biochemistry and Molecular Biology, Inc., 1993		
	C447	SHUMAN et al., "Specific DNA Cleavage and Binding of Vaccinia Virus DNA Topoisomerase I", <i>The Journal of Biological Chemistry</i> , Vol.265(29): 17826-17836, The American Society for Biochemistry and Molecular Biology, Inc., 1990		
	C448	SHUMAN, STEWART, "Two Classes of DNA End-Joining Reactions Catalyzed by Vaccinia Topoisomerase I", <i>The Journal of Biological Chemistry</i> , Vol.267(24): 16755-16758, The American Society for Biochemistry and Molecular Biology, Inc., 1992		
	C449	SHUMAN, STEWART, "Vaccinia DNA topoisomerase I promotes illegitimate recombination in Escherichia coli", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.86(10): 3489-3493, National Academic of Sciences, 1989		
	C450	SHUMAN, STEWART, "Vaccinia virus DNA ligase: specificity, fidelity, and inhibition", <i>Biochemistry</i> , Vol.34: 16138-16147, American Chemical Society, 1995		
	C451	STIVERS et al., "Stereochemical outcome and kinetic effects of Rp- and Sp-phosphorothioate substitution at the cleavage site of vaccinia type I DNA topoisomerase", <i>Biochemistry</i> , Vol.39(18): 5561-5572, Am. Chem. Soc., 2000		
	C452	STIVERS et al., "Vaccinia DNA topoisomerase I: kinetic evidence for general acid-base catalysis and a conformational step", <i>Biochemistry</i> , Vol.33(51): 15449-15458, American Chemical Society, 1994		
	C453	STIVERS et al., "Vaccinia DNA topoisomerase I: single-turnover and steady-state kinetic analysis of the DNA strand cleavage and ligation reactions", <i>Biochemistry</i> , Vol.33(1): 327-339, American Chemical Society, 1994		
	C454	STRATAGENE, "Gene Characterization Kits", 1988 Catalog, p. 39, 1988		
	C455	STRIZHOV et al., "Functional analysis of hybrid plasmids carrying genes for lambda site-specific recombination", <i>Gene</i> , Vol.12: 201-214, 1980		
	C456	THEUS et al., "A Simple Assay for Determining the Capping Efficiencies of RNA Polymerases Used for Inv Vitro Transcription", <i>BioTechniques</i> , Vol.9(5): 610-615, 1990		

EXAMINER

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	C457	WALHOUT, ALBERTHA J., "Gateway Recombinational cloning: Application to the cloning of large numbers of open reading frames or ORFeomes", <i>Methods in Enzymology</i> , Vol.328: 575-592, Academic Press, 2000	
	C458	WALHOUT, ALBERTHA J., "Protein Interaction Mapping in C. elegans Using Proteins Involved in Vulval Development", <i>Science</i> , Vol.287: 116-122, American Association for the Advancement of Science, 2000	
	C459	WANG et al., "Deletions at the carboxyl terminus of vaccinia DNA topoisomerase affect DNA binding and enhance distributivity in DNA relaxation", <i>Biochemistry</i> , Vol.36(13): 3909-3916, American Chemical Society, 1997	
	C460	WANG et al., "Mutational analysis of 26 residues of vaccinia DNA topoisomerase identifies Ser-204 as important for DNA binding and cleavage", <i>Biochemistry</i> , Vol.36(26): 7944-7950, American Chemical Society, 1997	
	C461	WEXLER et al., "A Procedure to Amplify cDNA from dsRNA Templates Using the Polymerase Chain Reaction", <i>Methods in Molecular and Cellular Biology</i> , Vol.2: 273-279, 1991	
	C462	WHITE, S. M., "Lentivirus vectors using human and Simian Immunodeficiency Virus Elements", <i>Journal of Virology</i> , Vol.73(5): 2832, 1999	
	C463	WITTMANN, H.G., "Architecture of Prokaryotic Ribosomes", <i>Ann. Rev. Biochem.</i> , Vol.52: 35-65, Annual Reviews, Inc., 1983	
	C464	WITTSCHIEBEN et al., "Mechanism of DNA transesterification by vaccinia topoisomerase: catalytic contributions of essential residues Arg-130, Gly-132, Tyr-136 and Lys-167", <i>Nucleic Acids Res.</i> , Vol.25(15): 3001-3008, Oxford University Press, 1997	
	C465	WITTSCHIEBEN et al., "Mutational analysis of vaccinia DNA topoisomerase defines amino acid residues essential for covalent catalysis", <i>J. Biol. Chem.</i> , Vol.269(47): 2997-29983, The American Society for Biochemistry and Molecular Biology, Inc., 1994	
	C466	WITTSCHIEBEN et al., "Replacement of the active site tyrosine of vaccinia DNA topoisomerase by glutamate, cysteine or histidine converts the enzyme into a site-specific endonuclease", <i>Nucleic Acids Res.</i> , Vol.26(2): 490-496, Oxford University Press, 1998	
	C467	WOODFIELD et al., "Vaccinia topoisomerase and Cre recombinase catalyze direct ligation of activated DNA substrates containing a 3'-para-nitrophenyl phosphate ester", <i>Nucleic Acids Res.</i> , Vol.28(17): 3323-3331, Oxford University Press, 2000	

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				<b>Art Unit</b>	1648
				<b>Examiner Name</b>	Horning, Michelle S.
(Use as many sheets as necessary)					
Sheet	35	of	35	Attorney Docket No: IVGN 332	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C468	YANG, SHU-WEI et al., "A eukaryotic enzyme that can disjoin dead-end covalent complexes between DNA and type I topoisomerases", <i>Proceedings of the National Academy of Sciences (PNAS)</i> , Vol.93(21): 11534-11539, 1996		
	C469	YANG et al., "Mutant Thermotoga neapolitana DNA polymerase I: altered catalytic properties for non-templated nucleotide addition and incorporation of correct nucleotides", <i>Nucleic Acids Research</i> , Vol.30(19): 4314-4320, Oxford University Press, London, 2002		
	C470	ZHANG et al., "A new logic for DNA engineering using recombination in Escherichia coli", <i>Nature Genetics</i> , Vol.20: 123-128, 1998		
	C471	ZIAUDDIN et al., "Microarrays of Cells Expressing Defined cDNAs", <i>Nature</i> , Vol.411: 107-110, 2001		

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DATE CONSIDERED